

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012224\
 Data File : VX039873.D
 Acq On : 22 Jan 2024 11:13
 Operator : JC/MD
 Sample : VX0122WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0122WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/23/2024
 Supervised By :Mahesh Dadoda 01/23/2024

Quant Time: Jan 23 00:13:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	77791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136444	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66814	51.273	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.540%			
35) Dibromofluoromethane	5.379	113	49320	53.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.340%			
50) Toluene-d8	8.647	98	178346	51.454	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.900%			
62) 4-Bromofluorobenzene	11.079	95	72597	53.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	17608	17.495	ug/l	98
3) Chloromethane	1.295	50	20355	17.709	ug/l	97
4) Vinyl Chloride	1.374	62	20009	18.445	ug/l	99
5) Bromomethane	1.605	94	13817	22.323	ug/l	98
6) Chloroethane	1.685	64	12962	21.019	ug/l	93
7) Trichlorofluoromethane	1.892	101	32403	20.707	ug/l	94
8) Diethyl Ether	2.130	74	12013	20.773	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	20539	21.171	ug/l	97
10) Methyl Iodide	2.453	142	21503	21.010	ug/l	95
11) Tert butyl alcohol	2.947	59	34408	101.435	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	18266	19.509	ug/l	94
13) Acrolein	2.233	56	21823	95.138	ug/l	96
14) Allyl chloride	2.666	41	35435	19.229	ug/l	97
15) Acrylonitrile	3.056	53	71437	101.952	ug/l	100
16) Acetone	2.374	43	72982	99.585	ug/l	94
17) Carbon Disulfide	2.514	76	51881	19.279	ug/l	99
18) Methyl Acetate	2.697	43	33195	21.650	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	70732	21.280	ug/l	100
20) Methylene Chloride	2.788	84	23670	21.353	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	20929	21.241	ug/l	94
22) Diisopropyl ether	3.758	45	73284	20.839	ug/l	97
23) Vinyl Acetate	3.715	43	345331	105.641	ug/l	100
24) 1,1-Dichloroethane	3.605	63	40553	20.961	ug/l	98
25) 2-Butanone	4.544	43	105094	99.788	ug/l	99
26) 2,2-Dichloropropane	4.471	77	30258	19.487	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	24399	21.591	ug/l	95
28) Bromochloromethane	4.891	49	18513	21.111	ug/l	94
29) Tetrahydrofuran	4.995	42	66357	97.891	ug/l	99
30) Chloroform	5.093	83	40910	21.421	ug/l	97
31) Cyclohexane	5.471	56	32056	18.639	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	34158	20.891	ug/l	97
36) 1,1-Dichloropropene	5.684	75	30007	20.977	ug/l	98
37) Ethyl Acetate	4.702	43	37801	19.808	ug/l	99
38) Carbon Tetrachloride	5.678	117	28174	21.504	ug/l	97
39) Methylcyclohexane	7.379	83	34355	20.000	ug/l	99
40) Benzene	6.038	78	84678	20.905	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19633	21.038	ug/l	91
42) 1,2-Dichloroethane	6.086	62	35700	23.182	ug/l	99
43) Isopropyl Acetate	6.336	43	59124	21.120	ug/l	99
44) Trichloroethene	7.129	130	22009	22.171	ug/l	98
45) 1,2-Dichloropropane	7.428	63	23044	21.207	ug/l	99
46) Dibromomethane	7.580	93	17216	22.939	ug/l	98
47) Bromodichloromethane	7.818	83	32043	23.052	ug/l	96
48) Methyl methacrylate	7.690	41	28819	20.943	ug/l	91
49) 1,4-Dioxane	7.653	88	10806	405.845	ug/l #	96
51) 4-Methyl-2-Pentanone	8.568	43	207074	107.401	ug/l	98
52) Toluene	8.714	92	52887	21.860	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	32973	22.355	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	35468	21.869	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	23159	22.483	ug/l	96
56) Ethyl methacrylate	9.110	69	35954	21.566	ug/l #	94
57) 1,3-Dichloropropane	9.305	76	39383	22.561	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	72754	92.325	ug/l	98
59) 2-Hexanone	9.427	43	167040	109.467	ug/l	98
60) Dibromochloromethane	9.519	129	23392	24.080	ug/l	99
61) 1,2-Dibromoethane	9.604	107	24844	23.290	ug/l	100
64) Tetrachloroethene	9.269	164	17895	21.596	ug/l	95
65) Chlorobenzene	10.080	112	57550	21.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	20967	23.202	ug/l	98
67) Ethyl Benzene	10.189	91	104804	21.271	ug/l	95
68) m/p-Xylenes	10.299	106	78684	43.423	ug/l	95
69) o-Xylene	10.640	106	38285	21.335	ug/l	96
70) Styrene	10.653	104	64236	21.913	ug/l	99
71) Bromoform	10.799	173	15445	22.762	ug/l #	99
73) Isopropylbenzene	10.964	105	101718	20.108	ug/l	99
74) N-amyl acetate	10.842	43	52607	19.951	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	38740	20.055	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	33897m	20.578	ug/l	
77) Bromobenzene	11.195	156	23013	20.432	ug/l	93
78) n-propylbenzene	11.299	91	126190	20.610	ug/l	97
79) 2-Chlorotoluene	11.360	91	74986	19.816	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	88823	20.674	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	9473	18.916	ug/l	95
82) 4-Chlorotoluene	11.451	91	88986	20.731	ug/l	98
83) tert-Butylbenzene	11.713	119	85968	20.959	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	89875	20.968	ug/l	100
85) sec-Butylbenzene	11.890	105	113058	21.233	ug/l	99
86) p-Isopropyltoluene	12.006	119	90785	21.333	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	45695	21.164	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	46566	20.882	ug/l	98
89) n-Butylbenzene	12.329	91	87473	21.282	ug/l	97
90) Hexachloroethane	12.536	117	14199	19.778	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	44825	21.000	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9130	19.288	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	28504	21.852	ug/l	96
94) Hexachlorobutadiene	13.725	225	12126	22.363	ug/l	97
95) Naphthalene	13.774	128	98018	20.412	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	28073	21.324	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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